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028-71**KSC Facility Asbestos Management System (FAMS)**

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This paper describes the collection of data and dissemination of information by our asbestos survey system. It incorporates the condition of material, assessment of hazard, and recommended corrective actions as well as digital images of all identified asbestos containing building materials. All presses are conducted electronically on a 'paperless' system and made available to multiple users at Kennedy Space Center (KSC) through the Internet computer networking system. This information is provides a means to reduce or minimize incidental asbestos exposures to employees as well as maintain compliance with the requirements specified in the Federal Occupational Safety and Health Administration (OSHA) Asbestos Standards (29 CFR 1926.1101). The availability of these data on the Internet not only provides needed information to all KSC employees/contractors on a timely basis but also greatly reduces the administrative time required by Industrial Hygiene departments in responding to the multiple requests for survey information.

Meredith Caukin is an industrial hygiene engineer with EG&G Florida, Inc. He is responsible for implementation of all phases of the KSC Facility Asbestos Survey including the physical building inventory and management of the inventory record files. He played an integral role in the software development for the survey system. Meredith received his degree in Environmental Engineering from Brevard Community College. He is certified in the State of Florida in Asbestos Project Management, Facility Building Inspections, and Monitoring and Analysis of Airborne Asbestos Fibers.

KSC FACILITY ASBESTOS MANAGEMENT SYSTEM (FAMS)

ASBESTOS MANAGEMENT AT KSC

- MAINTAIN IN GOOD CONDITION
REMOVE ONLY WHEN NECESSARY
- PLANNED ASBESTOS OPERATIONS IN COORDINATION WITH
FACILITY MAINTENANCE AND RENOVATION
- PROPER WORKER TRAINING AND PROCEDURES

WHAT IS FAMS?

- LAPTOP FIELD DATA ENTRY
- FACILITY/ROOM INVENTORY AND STATUS
- HOMOGENOUS MATERIAL TRACKING
- DIGITAL PHOTOGRAPHS
- RISK ASSESSMENT
- HAZARD RANKING
- OPERATIONS AND MAINTENANCE RESPONSE ACTIONS
- RELATIONAL DATABASE AND REPORTING
- INTERNET DATA ACCESS

WHO USES THE FAMS?

- FACILITY MANAGERS
- SYSTEM MAINTENANCE ENGINEERS
- DEPARTMENT SUPERVISORS / FOREMEN
- SUB-CONTRACTORS
- EMPLOYEES

WHERE IS FAMS?

- KSC INTERNAL HOME PAGE ON THE INTERNET
 - [HTTP://WWW.KSC.NASA.GOV](http://www.ksc.nasa.gov)
 - KSC ASBESTOS SURVEY HOME PAGE

OTHER APPLICATIONS

- LEAD PAINT MANAGEMENT
- CUSTODIAL SUPPORT SERVICES MANAGEMENT
- HEALTH AND SAFETY PROGRAM MANAGEMENT
- ENVIRONMENTAL MANAGEMENT

SURVEY STEPS

- HOMOGENOUS MATERIAL IDENTIFICATION
- FIELD DATA ENTRY
- BULK SAMPLING
- LABORATORY ANALYSIS
- LABORATORY DATA INPUT
- DIGITAL PHOTOGRAPHY
- RISK ASSESSMENT AND LABELING
- EMPLOYEE DATA ACCESS

SOFTWARE REQUIREMENTS

- WORKSTATION
 - OPERATING SYSTEM
 - DATABASE
- LAPTOP
 - OPERATING SYSTEM
- DEVELOPMENT
 - DATABASE
 - PROGRAMMING LANGUAGE
 - DEVELOPER TOOLS

HARDWARE REQUIREMENTS

- WORKSTATION
 - 486DX2/66 MHZ PC
 - 8MB RAM
 - 700MB HARD DRIVE
 - VIDEO ACCELERATOR CARD
 - MEMORY CARD PROCESSOR
 - 250 MB TAPE BACKUP
 - 15" FLAT SCREEN MONITOR
- LAPTOPS
 - 486DX 33 MHZ
 - 8MB RAM
 - 250MB HARD DRIVE
 - ACTIVE MATRIX OR DUAL SCAN COLOR SCREEN
 - MEMORY CARD CAMERA